

**Data Category: Combined Radioactive Waste and Contaminated Media****Stream Characteristic Detail (RAD/CM-13)**

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| STATE: Tennessee | PROGRAM: EM | WASTE TYPE: Low Level Waste |
| SITE: Oak Ridge | OPERATIONS OFFICE: Oak Ridge Operations Office | |

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|--|------------------------------|--------------------------------------|----------------------------|-----------------------------|
| Oak Ridge - Low Level Waste - Dry Active Waste | | | WASTE STREAM CODE: 01585 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Dry Active Waste | | MPC NAME:Solids | TOTAL CURIES: 87.675.000 |
| 100.000 | Dry Active Waste | | | |
| | Isotopes | | | |
| | Hafnium-181 | Avg Concentration: 1.4222E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Iridium-192 | Avg Concentration: 1.2220E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Molybdenum-99 | Avg Concentration: 3.6706E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Protactinium-234m | Avg Concentration: 5.1907E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Lead-212 | Avg Concentration: 1.6569E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Silver-111 | Avg Concentration: 3.2355E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Arsenic-73 | Avg Concentration: 1.4091E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Gadolinium-153 | Avg Concentration: 9.2796E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Palladium-103 | Avg Concentration: 1.0482E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Osmium-194 | Avg Concentration: 8.5466E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Osmium-191 | Avg Concentration: 9.6144E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Sodium-24 | Avg Concentration: 6.3342E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Indium-114m | Avg Concentration: 1.2059E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Holmium-166m | Avg Concentration: 6.6434E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

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| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: 6.9094E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: 4.5777E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: 1.5582E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: 2.0407E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: 4.1698E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: 9.8189E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: 8.2853E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: 2.4760E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: 6.6133E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: 2.5345E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: 1.3872E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: 1.8661E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: 2.9833E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: 3.3924E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: 8.7413E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: 1.6821E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: 2.6721E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 6.3656E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: 2.5760E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: 6.7185E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: 1.2747E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: 1.0197E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: 1.1418E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

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| Scandium-46 | Avg Concentration: 4.5568E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: 3.6217E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: 9.1224E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: 3.2823E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: 2.2661E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: 1.2344E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: 5.3691E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: 3.0231E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 2.3346E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: 5.5339E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: 4.8053E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: 2.4808E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: 1.4707E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: 2.4119E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: 1.2399E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: 3.6670E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: 2.6752E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: 6.5218E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: 7.0996E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 7.5761E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: 9.9889E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: 1.5936E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: 1.1926E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 1.4208E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: 1.6296E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: 1.7456E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 1.5228E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

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| Aluminum-26 | Avg Concentration: 3.7514E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: 1.7521E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: 3.3264E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: 1.2424E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: 1.4874E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 6.2933E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 1.5874E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: 2.3578E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 9.7893E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 7.3186E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 4.1524E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 6.0358E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 1.2910E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: 9.1606E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: 4.5308E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 1.2605E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: 1.3474E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 2.3897E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: 1.1648E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: 1.3880E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: 3.8947E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: 1.6361E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: 7.5710E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: 1.8950E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: 8.6135E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: 1.7956E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

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|-----------------|--------------------------------------|--------------------|----------------------|
| Niobium-95 | Avg Concentration: 5.3277E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: 1.4517E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: 3.1641E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: 5.9366E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: 1.7645E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: 3.9526E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: 8.0349E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: 8.2689E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: 3.1458E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: 1.4527E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: 7.0675E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: 1.4709E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: 1.7318E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: 5.5571E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: 1.6164E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: 2.0503E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: 4.5212E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: 2.6503E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

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| Actinium-225 | Avg Concentration: 1.8374E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: 2.8639E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: 4.7705E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: 1.8658E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: 2.3040E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: 2.2990E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: 2.9414E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: 9.4555E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: 5.3713E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: 3.2987E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: 1.8567E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: 1.0606E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: 7.2762E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: 1.9390E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: 7.1284E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: 1.2413E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 6.3774E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: 9.0832E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: 6.5196E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 1.6133E-002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: 1.8469E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: 8.5170E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: 6.8642E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

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| | | | |
|----------------|--------------------------------------|--------------------|----------------------|
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: 1.2721E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: 9.1023E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: 1.3424E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: 9.4218E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: 7.1989E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: 1.5548E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: 4.0611E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

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|---|---------------------------------|--------------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - Construction Debris | | | WASTE STREAM CODE: 01588 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Construction Debris | | MPC NAME:Debris Waste | TOTAL CURIES: 30.000 |
| 100.000 | | | | |
| | Isotopes | | | |
| | Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Actinium-225 | Avg Concentration: 1.9269E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Bismuth-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Californium-250 | Avg Concentration: 1.9347E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Thorium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Strontium-85 | Avg Concentration: 4.0053E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

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|-----------------|--------------------------------------|--------------------|----------------------|
| Scandium-46 | Avg Concentration: 2.6331E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: 1.9361E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: 7.2889E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: 3.9394E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 4.5806E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 1.3344E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: 1.1741E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: 7.4262E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: 2.0051E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: 3.7656E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

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|-------------------|--------------------------------------|--------------------|----------------------|
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 1.0109E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: 1.2221E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: 9.9226E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: 1.7842E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: 5.0180E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Selenium-75 | Avg Concentration: 3.5841E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 6.5680E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: 8.4847E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: 1.3735E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------------------------|--------------------|----------------------|
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: 6.8871E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: 2.9493E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: 7.8168E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 1.4784E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 1.0748E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: 9.0417E-014 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 2.9910E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: 3.3439E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 1.0523E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: 1.2013E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 1.9925E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 6.8912E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: 5.5887E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: 1.1512E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: 8.9142E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Californium-252 | Avg Concentration: 2.0520E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: 1.0796E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: 1.0102E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: 1.3708E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: 2.8429E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: 4.2386E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: 1.0326E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: 1.0949E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: 3.2810E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: 1.0636E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: 7.4582E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: 2.7009E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 5.8456E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: 4.6859E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 3.1830E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: 1.6370E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 9.4831E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Cesium-137 | Avg Concentration: 1.8040E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: 7.1276E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: 3.7036E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 2.1231E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: 2.7009E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 5.6954E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: 1.2779E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: 2.3276E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 4.3267E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: 5.6881E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: 7.9108E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: 2.2890E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

| | | | | | |
|---|-------------------------|--------------------|----------------------------|--|----------------------------|
| Oak Ridge - Low Level Waste - Fissile - 1 | | | WASTE STREAM CODE: 01592 | | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Fissile - 1 | | MPC NAME:Solids | | TOTAL CURIES: 0.060 |
| 100.000 | | | | | |
| | Isotopes | | | | |
| | Lutetium-173 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent: |
| | Niobium-95 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent: |
| | Phosphorus-32 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent: |
| | Phosphorus-33 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Protactinium-234m | Avg Concentration: 1.9497E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: 4.4511E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------------------------|--------------------|----------------------|
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 7.3572E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 3.6786E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 9.9322E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------|--------------------|----------------------|
| Uranium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: 7.7251E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 5.8858E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 3.5683E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 4.0465E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: 5.6651E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: 1.9864E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 2.0600E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: 4.5247E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: 4.4143E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Uranium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 9.5644E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 1.4714E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 9.9322E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 6.4376E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

| | | | |
|--|----------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - Classified LLW | | | WASTE STREAM CODE: 01594 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Classified LLW | MPC NAME:Solids | TOTAL CURIES: 0.000 |

| 100.000 | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Plutonium-240 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 4.1765E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------|--------------------|----------------------|
| Iodine-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------|--------------------|----------------------|
| Thallium-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------|--------------------|--------------------|----------------------|
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Carbon-14 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 8.9155E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | | | |
|---|---|--------------------|----------------------------|--------------------------|--------------------------------------|
| Oak Ridge - Low Level Waste - Contact Handled LLW (Alpha) | | | | WASTE STREAM CODE: 01595 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Contact Handled LLW (Alpha) | | MPC NAME:Solids | | TOTAL CURIES: |
| 100.000 | | | | | |
| | Isotopes | | | | |
| | Plutonium-239 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent:1.0000E-009 Ci/g |
| | Californium-252 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent:1.0000E-009 Ci/g |
| | | | | | |

| | | | | | | | |
|---|---------------------------------------|--------------------|--|----------------------------|--|----------------------------|--|
| Oak Ridge - Low Level Waste - Evap Facility Concentrate | | | | WASTE STREAM CODE: 01601 | | | |
| Approved Volume : | | Future Volume Avg: | | Future Volume Lower Limit: | | Future Volume Upper Limit: | |
| %of Stream | STREAM NAME:Evap Facility Concentrate | | | MPC NAME:Aqueous Slurries | | TOTAL CURIES: | |
| 100.000 | | | | | | | |
| | Isotopes | | | | | | |

| | | | | | |
|--|--|--------------------|----------------------------|----------------------------|---------------|
| Oak Ridge - Low Level Waste - CH TWTP Output - Alpha Cont. | | | | WASTE STREAM CODE: 02619 | |
| Approved Volume : | | Future Volume Avg: | | Future Volume Lower Limit: | |
| Future Volume Upper Limit: | | | | | |
| %of Stream | STREAM NAME:CH TWTP Output - Alpha Cont. | | MPC NAME:Final Waste Forms | | TOTAL CURIES: |
| 100.000 | | | | | |
| Isotopes | | | | | |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---|---------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - LLW (from TWRF D&D) | | | WASTE STREAM CODE: 03043 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:LLW (from TWRF D&D) | MPC NAME:Final Waste Forms | TOTAL CURIES: |
| 100.000 | | | |
| Isotopes | | | |

| | | | |
|---|---------------------------------------|----------------------------|----------------------------------|
| Oak Ridge - Low Level Waste - Containerized wastewaters | | | WASTE STREAM CODE: 03634 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Containerized wastewaters | MPC NAME:Wastewaters | TOTAL CURIES: 338,667,055.000 |
| 100.000 | | | |
| Isotopes | | | |
| Potassium-40 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 6.6837E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 3.0797E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: 1.5494E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Manganese-54 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 1.5618E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: 4.9868E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 1.5773E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Iodine-125 | Avg Concentration: 9.5145E+004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: 5.0682E+005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: 3.0988E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Sulfur-35 | Avg Concentration: 2.3405E+005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: 1.1305E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: 1.5494E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Phosphorus-32 | Avg Concentration: 1.5667E+006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: 6.8000E+005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 5.3024E+004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 2.4453E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 1.5494E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------|--------------------|--------------------|----------------------|
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | |
|--|------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - DAW to Treatment | | | WASTE STREAM CODE: 03648 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:DAW to Treatment | MPC NAME:Solids | TOTAL CURIES: |

| | | | |
|--|--------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - Classified LLW - 2 | | | WASTE STREAM CODE: 03655 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Classified LLW - 2 | MPC NAME:Solids | TOTAL CURIES: 0.000 |

| 100.000 | | | |
|------------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------|--------------------|----------------------|
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Protactinium-234m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 8.9155E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------|--------------------|----------------------|
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Actinium-225 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 4.1765E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------|--------------------|--------------------|----------------------|
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--|--|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - Direct Treatment LLW Wastewaters at Y-12 | | | WASTE STREAM CODE: 03724 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Direct Treatment LLW Wastewaters at Y-12 | MPC NAME:Wastewaters | TOTAL CURIES: |

| | | | |
|---|-------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - Fissile - 2 | | | WASTE STREAM CODE: 04327 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Fissile - 2 | MPC NAME:Solids | TOTAL CURIES: 0.010 |
| 100.000 | | | |

| Isotopes | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: 7.7251E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------------------------|--------------------|----------------------|
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 9.9322E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 1.4714E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 2.0600E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: 5.6651E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 3.5683E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 5.8858E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 6.4376E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 9.9322E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 3.6786E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 7.3572E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 9.5644E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------|--------------------------------------|--------------------|----------------------|
| Curium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: 4.4143E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: 4.4511E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: 1.9864E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 4.0465E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: 1.9497E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: 4.5247E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------|--------------------|----------------------|
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | |
|--|--------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - Declassified Waste | | | WASTE STREAM CODE: 04329 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %Of Stream | STREAM NAME:Declassified Waste | MPC NAME:Solids | TOTAL CURIES: |

| | | | | | | | |
|---|-------------------------------------|--------------------------------------|-----------------|----------------------------|---------------|----------------------------|--|
| Oak Ridge - Low Level Waste - Construction Debris - 2 | | | | WASTE STREAM CODE: 04350 | | | |
| Approved Volume : | | Future Volume Avg: | | Future Volume Lower Limit: | | Future Volume Upper Limit: | |
| %of Stream | STREAM NAME:Construction Debris - 2 | | MPC NAME:Solids | | TOTAL CURIES: | | |
| 100.000 | Construction Debris - 2 | | | | | | |
| | Isotopes | | | | | | |
| | Americium-243 | Avg Concentration: 4.6859E-010 Ci/m3 | | Low Limit Concent: | | Upper Limit Concent: | |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 3.1830E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 9.4831E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: 7.1276E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 2.1231E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 5.6954E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: 1.2779E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: 6.8871E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: 7.4582E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: 2.2890E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: 7.9108E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: 5.6881E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 4.3267E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: 2.3276E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: 7.8168E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: 2.9493E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: 2.7009E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: 3.7036E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: 1.8040E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: 1.6370E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: 9.9226E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: 1.2221E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: 1.0636E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: 3.2810E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: 1.0949E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: 1.9347E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 6.5680E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: 3.5841E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: 5.0180E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: 2.0051E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: 3.7656E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: 4.0053E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Scandium-46 | Avg Concentration: 2.6331E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: 1.3735E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: 1.1741E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 5.8456E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: 2.7009E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: 1.0326E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: 4.2386E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: 2.8429E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: 1.3708E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: 1.0102E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Zinc-65 | Avg Concentration: 1.0796E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: 2.0520E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: 1.9361E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: 8.9142E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: 1.1512E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: 7.2889E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: 3.9394E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: 5.5887E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 6.8912E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 1.9925E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 4.5806E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: 1.2013E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 1.0523E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: 3.3439E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 1.3344E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 2.9910E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: 9.0417E-014 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 1.0109E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 1.0748E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 1.4784E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: 1.9269E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: 8.4847E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: 1.7842E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: 7.4262E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--|--|------------------------------------|----------------------------|
| Oak Ridge - Low Level Waste - Gas Cylinders for Recontainerization | | | WASTE STREAM CODE: 04358 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Gas Cylinders for Recontainerization | MPC NAME:Compressed Gases/Aerosols | TOTAL CURIES: |

| | | | |
|--|--|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - BNFL - K29/31/33 Debris + Other Solids | | | WASTE STREAM CODE: 04406 |
| Approved Volume : 102,949.600 | Future Volume Avg: 0.000 | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:BNFL - K29/31/33 Debris + Other Solids | MPC NAME:Debris Waste | TOTAL CURIES: |

| | | | |
|---|---|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - BNFL - K29/31/33 Classified | | | WASTE STREAM CODE: 04407 |
| Approved Volume : 22,104.200 | Future Volume Avg: 0.000 | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:BNFL - K29/31/33 Classified | MPC NAME:Solids | TOTAL CURIES: |

| | | | |
|---|-------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - CNF Residuals - 3 | | | WASTE STREAM CODE: 04497 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:CNF Residuals - 3 | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | | | |
| | Isotopes | | |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---|-------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - CNF Residuals - 4 | | | WASTE STREAM CODE: 04498 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:CNF Residuals - 4 | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | | | |
| Isotopes | | | |

| | | | |
|--|----------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - LLW Sludge from WETF | | | WASTE STREAM CODE: 04511 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:LLW Sludge from WETF | MPC NAME:Inorganic Sludges | TOTAL CURIES: |
| 100.000 | | | |
| Isotopes | | | |

| | | | |
|---|---|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - LLW Solids to On-Site Treatment | | | WASTE STREAM CODE: 04522 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:LLW Solids to On-Site Treatment | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | LLW Solids to OnSite Treatment | | |
| Isotopes | | | |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | |
|---|-------------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | WASTE STREAM CODE: 05023 |
| Approved Volume : 4,723.477 | Future Volume Avg: 45,701.527 | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | MPC NAME:Debris Waste | TOTAL CURIES: |

| | | | |
|---|-------------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | WASTE STREAM CODE: 05025 |
| Approved Volume : 0.595 | Future Volume Avg: 3.115 | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | MPC NAME:Debris Waste | TOTAL CURIES: |
| 1.000 | 5843 | | |

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| 0.200 | 725 | | |
| Isotopes | | | |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
|---------------|--------------------|--------------------|----------------------|

| | | | |
|--------|--------------|-----------------------------------|---|
| 98.800 | FY00 Actual | | |
| | Isotopes | | |
| | Cesium-137 | Avg Concentration: 2.5000E-003 Ci | Low Limit Concent: Upper Limit Concent: |
| | Thorium-232 | Avg Concentration: 8.7000E-004 Ci | Low Limit Concent: Upper Limit Concent: |
| | Thorium-230 | Avg Concentration: 1.2000E-003 Ci | Low Limit Concent: Upper Limit Concent: |
| | Europium-154 | Avg Concentration: 2.0000E-007 Ci | Low Limit Concent: Upper Limit Concent: |
| | Uranium-238 | Avg Concentration: 2.6000E-003 Ci | Low Limit Concent: Upper Limit Concent: |
| | Europium-152 | Avg Concentration: 5.6000E-005 Ci | Low Limit Concent: Upper Limit Concent: |
| | Cobalt-60 | Avg Concentration: 2.7000E-002 Ci | Low Limit Concent: Upper Limit Concent: |
| | | | |

| | | | | |
|---|-------------------------------------|------------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | WASTE STREAM CODE: 05026 | |
| Approved Volume : 719.497 | | Future Volume Avg: 4,714.577 | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | | MPC NAME:Debris Waste | TOTAL CURIES: |
| 1.563 | 1004 | | | |
| | Isotopes | | | |
| | Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--------------|--------------------|--------------------|----------------------|
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 1005

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.160 1006

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--------------|--------------------|--------------------|----------------------|
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.677 1010

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

9.207 1517

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

8.151 1519

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.445 1520

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.020 1523

| Isotopes | | | |
|-----------------|--------------------|--------------------|----------------------|
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 1525

| Isotopes | | | |
|-----------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------|--------------------|--------------------|----------------------|
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.080 1527

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 1529

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

1.346 1530

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

3.728 1531

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.462 1532

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.421 405

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.306 724

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.050 726

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.000 765

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.680 766

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.303 769

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 792

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.521 794

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

2.530 797

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

4.401 799

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.402 802

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--------------|--------------------|--------------------|----------------------|
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.540 896

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.016 902

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

3.541 903

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.120 905

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------|--------------------|--------------------|----------------------|
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.324 907

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 909

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------|--------------------|--------------------|----------------------|
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.028 910

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.210 912

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.000 913

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.230 924

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

1.250 950

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.030 951

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.000 952

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.015 953

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.026 954

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 957

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------|--------------------|--------------------|----------------------|
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 958

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.026 960

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------|--------------------|--------------------|----------------------|
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.026 961

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 962

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------|--------------------|--------------------|----------------------|
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.026 963

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 965

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.015 966

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.050 967

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--------------|--------------------|--------------------|----------------------|
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.026 968

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.070 969

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------|--------------------|--------------------|----------------------|
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.016 970

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.010 971

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.100 973

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.160 974

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.026 976

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.100 978

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--------------|--------------------|--------------------|----------------------|
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.100 979

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.050 981

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------|--------------------|--------------------|----------------------|
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.026 982

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.050 983

| Isotopes | | | |
|---------------|--------------------|--------------------|----------------------|
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.080 984

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.100 999

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--------------|--------------------|--------------------|----------------------|
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

14.820 FY 2000 Actual1

| | | | |
|-----------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

0.047 FY 2000 Actual2

| | | | |
|-----------------|-----------------------------------|--------------------|----------------------|
| Isotopes | | | |
| Strontium-90 | Avg Concentration: 3.3900E-003 Ci | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 6.4400E-005 Ci | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: 6.2900E-004 Ci | Low Limit Concent: | Upper Limit Concent: |

0.473 FY 2000 Actual3

| | | | |
|---------------------|--------------------|----------------------|----------------------|
| Isotopes | | | |
| Plutonium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Contaminants | | | |
| Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Aluminum | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | |
|--------|--------------------------|
| 41.730 | No Contaminants Provided |
| | Isotopes |

| | | | | | |
|---|-------------------------------------|------------------------------|-----------------------|----------------------------|----------------------|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | | WASTE STREAM CODE: 05027 | |
| Approved Volume : 88.349 | | Future Volume Avg: 1,069.279 | | Future Volume Lower Limit: | |
| Future Volume Upper Limit: | | | | | |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | | MPC NAME:Debris Waste | | TOTAL CURIES: |
| 0.117 | 277 | | | | |
| | Isotopes | | | | |
| | Uranium-234 | Avg Concentration: | | Low Limit Concent: | Upper Limit Concent: |
| | Uranium-235 | Avg Concentration: | | Low Limit Concent: | Upper Limit Concent: |
| | | | | | |

| | | | | | |
|-------------|--------------------|--------------------|--|----------------------|--|
| 0.029 | 279 | | | | |
| | Isotopes | | | | |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent: | |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent: | |

| | | | | | |
|-------------|--------------------|--------------------|--|----------------------|--|
| 0.330 | 282 | | | | |
| | Isotopes | | | | |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent: | |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | | Upper Limit Concent: | |

| | | | | | |
|-------|-----------------|--|--|--|--|
| 2.201 | 285 | | | | |
| | Isotopes | | | | |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------|--------------------|--------------------|----------------------|
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | | |
|-----------|-------------|--------------------|--------------------|----------------------|
| 0.079 294 | | | | |
| | Isotopes | | | |
| | Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | | |
|-----------|-------------|--------------------|--------------------|----------------------|
| 0.751 371 | | | | |
| | Isotopes | | | |
| | Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | | |
|-------|-------------|--------------------|--------------------|----------------------|
| 8.153 | 420 | | | |
| | Isotopes | | | |
| | Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | | | | |

| | | | | |
|-----------|-------------|--------------------|--------------------|----------------------|
| 2.191 440 | | | | |
| | Isotopes | | | |
| | Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | | |
|--------|-------------|--------------------|--------------------|----------------------|--|
| 24.559 | 450 | | | | |
| | Isotopes | | | | |
| | Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: | |
| | Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: | |
| | | | | | |

| | |
|--------|--------------------------|
| 61.590 | No Contaminants Provided |
| | Isotopes |

| | | | |
|---|---|-----------------------------------|-----------------------------------|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | WASTE STREAM CODE: 07010 |
| Approved Volume : 521.568 | Future Volume Avg: 367,790.093 | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME: LLW/Debris/Other Solids | MPC NAME: Debris Waste | TOTAL CURIES: |

| | | | |
|---|---|-----------------------------------|-----------------------------------|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | WASTE STREAM CODE: 07053 |
| Approved Volume : 98.316 | Future Volume Avg: 0.000 | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME: LLW/Debris/Other Solids | MPC NAME: Debris Waste | TOTAL CURIES: |

| | | | | | |
|---------|---------------|--------------------|--------------------|----------------------|--|
| 100.000 | 720 | | | | |
| | Isotopes | | | | |
| | Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: | |
| | Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: | |
| | Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: | |
| | Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: | |
| | Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: | |
| | | | | | |

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|---|-------------------------------------|----------------------------|----------------------------|----------------------------|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | | WASTE STREAM CODE: 07054 |
| Approved Volume : 0.000 | | Future Volume Avg: 317.290 | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | MPC NAME:Debris Waste | TOTAL CURIES: | |

| | | | | | | | |
|---|-------------------------------------|-------------------------------|--|----------------------------|--|----------------------------|--|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | | WASTE STREAM CODE: 07058 | | | |
| Approved Volume : 0.000 | | Future Volume Avg: 12,542.943 | | Future Volume Lower Limit: | | Future Volume Upper Limit: | |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | | | MPC NAME:Debris Waste | | TOTAL CURIES: | |
| 100.000 | 5890 | | | | | | |
| | Isotopes | | | | | | |
| | Uranium (Natural) | Avg Concentration: | | Low Limit Concent: | | Upper Limit Concent: | |

| | | | | | | | |
|---|-------------------------------------|-----------------------------------|--|----------------------------|--|----------------------------|--|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | | WASTE STREAM CODE: 07059 | | | |
| Approved Volume : 0.000 | | Future Volume Avg: 13.026 | | Future Volume Lower Limit: | | Future Volume Upper Limit: | |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | | | MPC NAME:Debris Waste | | TOTAL CURIES: | |
| 100.000 | FY00 Actual | | | | | | |
| | Isotopes | | | | | | |
| | Strontium-90 | Avg Concentration: 2.1000E-002 Ci | | Low Limit Concent: | | Upper Limit Concent: | |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | | | | |
|---|-------------------------------------|----------------------------|-----------------------|----------------------------|---------------|----------------------------|--|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | | WASTE STREAM CODE: 07060 | | | |
| Approved Volume : 0.000 | | Future Volume Avg: 343.484 | | Future Volume Lower Limit: | | Future Volume Upper Limit: | |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | | MPC NAME:Debris Waste | | TOTAL CURIES: | | |
| 100.000 | 5854 | | | | | | |
| | Isotopes | | | | | | |
| | Uranium-234 | Avg Concentration: | | Low Limit Concent: | | Upper Limit Concent: | |
| | Uranium-238 | Avg Concentration: | | Low Limit Concent: | | Upper Limit Concent: | |
| | Uranium (Natural) | Avg Concentration: | | Low Limit Concent: | | Upper Limit Concent: | |
| | Uranium-235 | Avg Concentration: | | Low Limit Concent: | | Upper Limit Concent: | |
| | | | | | | | |

| | | | | | | | | | | |
|---|-------------------------------------|--------------------|---------------------------|--|----------------------------|--|--|----------------------------|--|--|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | | | WASTE STREAM CODE: 07062 | | | | | |
| Approved Volume : 0.000 | | | Future Volume Avg: 24.494 | | Future Volume Lower Limit: | | | Future Volume Upper Limit: | | |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | | | | MPC NAME:Debris Waste | | | TOTAL CURIES: | | |
| 88.440 | 5827 | | | | | | | | | |
| | Isotopes | | | | | | | | | |
| | Uranium-234 | Avg Concentration: | | | Low Limit Concent: | | | Upper Limit Concent: | | |
| | Uranium-238 | Avg Concentration: | | | Low Limit Concent: | | | Upper Limit Concent: | | |
| | Uranium-235 | Avg Concentration: | | | Low Limit Concent: | | | Upper Limit Concent: | | |
| | Technetium-99 | Avg Concentration: | | | Low Limit Concent: | | | Upper Limit Concent: | | |

| | | | | |
|--------|-------------|--------------------|--------------------|----------------------|
| 11.560 | | 5847 | | |
| | Isotopes | | | |
| | Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Uranium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | |
|---|-------------------------------------|--------------------------|---|
| Oak Ridge - Low Level Waste - LLW/Debris/Other Solids | | | WASTE STREAM CODE: 07065 |
| Approved Volume : 94.352 | | Future Volume Avg: 0.566 | Future Volume Lower Limit: Future Volume Upper Limit: |
| %of Stream | STREAM NAME:LLW/Debris/Other Solids | MPC NAME:Debris Waste | TOTAL CURIES: |
| 0.300 | 574 | | |

| | | | |
|-------------------|--------------------|--------------------|----------------------|
| Isotopes | | | |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium (Natural) | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | |
|-------------------|--------------------|--------------------|----------------------|
| 35.800 | 680 | | |
| Isotopes | | | |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium (Natural) | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

| | | | |
|-------------------|--------------------|--------------------|----------------------|
| 0.600 | 964 | | |
| Isotopes | | | |
| Uranium (Natural) | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | |
|-----------------|--------------------------|
| 63.300 | No Contaminants Provided |
| Isotopes | |

| | | |
|-------------------------|---|--|
| STATE: Tennessee | PROGRAM: EM | WASTE TYPE: Mixed Low Level Waste |
| SITE: Oak Ridge | OPERATIONS OFFICE: Oak Ridge Operations Office | |

| | | | |
|--|--|---|-----------------------------------|
| Oak Ridge - Mixed Low Level Waste - Inventoried Wastewater | | | WASTE STREAM CODE: 01619 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME: Inventoried Wastewater | MPC NAME: Aqueous Liquids/Slurries | TOTAL CURIES: |
| 100.000 | Inventoried Wastewaters | | |

| | | | |
|-----------------|---------------------------|---------------------------|-----------------------------|
| Isotopes | | | |
| Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gamma | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Alpha (gross) | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

**Data Category: Combined Radioactive Waste and
Contaminated Media**

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------|--------------------|----------------------|
| Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Beta (gross) | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| Contaminants | | | |
|-----------------------|--------------------|----------------------|----------------------|
| 1,2-Dichloroethane | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| 2,4,5-TP (aka Silvex) | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| 2,4,6-Trichloropheno | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| 2,4-D (aka Dichlorop | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Carbon tetrachloride | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Chlorobenzene | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cresols-mixed (aka C | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cyanides (soluble sa | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Heptachlor and/or He | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Hexachlorobutadiene | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Hydrogen fluoride | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Methyl ethyl ketone | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Nitrobenzene | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Pentachlorophenol | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Tetrachloroethylene | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Trichloroethylene | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Vinyl chloride | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| 1,1-Dichloroethylene | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| 2,4,5-Trichloropheno | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| 2,4-Dinitrotoluene | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Barium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Chlordane | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------|----------------------|----------------------|
| Chloroform | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Corrosive | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Endrin | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Hexachlorobenzene | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Hexachloroethane | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Lindane | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Methoxychlor | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Nickel | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Pyridine | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Selenium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Silver | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Toxaphene | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Nitrates | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Sulfates | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |

| | | | | |
|--|--|--------------------|-----------------------------|---------------------------------------|
| Oak Ridge - Mixed Low Level Waste - CNF Process Residues to LDR Treatment & Disposal | | | WASTE STREAM CODE: 01630 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:CNF Process Residues to LDR Treatment & Disposal | | MPC NAME:Homogeneous Solids | TOTAL CURIES: |
| 100.000 | CNF Process Residue to LDR Trearment and Dispos | | | |
| | Isotopes | | | |
| | Carbon-14 (Activate | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:8.0000E+001 Ci/m3 |
| | Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:8.0000E-002 Ci/m3 |
| | Nickel-63 (Activated | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:7.0000E+003 Ci/m3 |
| | Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:3.0000E+000 Ci/m3 |
| | Curium-242 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:2.0000E+004 nCi/g |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------------|--------------------|----------------------|---------------------------------------|
| Carbon-14 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:8.0000E+000 Ci/m3 |
| Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:4.6000E+003 Ci/m3 |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:7.0000E+002 Ci/m3 |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:3.5000E+003 nCi/g |
| Thorium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:7.0000E+003 Ci/m3 |
| Contaminants | | | |
| PCB Unspecified | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+001 ppm |

| | | | | |
|--|--|--------------------|-------------------------------|-------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Empty PCB/RCRA/LLW Waste Containers (Rinsing Required) | | | WASTE STREAM CODE: 02782 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Empty PCB/RCRA/LLW Waste Containers (Rinsing Required) | | MPC NAME:Unknown/Other Matrix | TOTAL CURIES: 20,348,048,993.000 |
| 100.000 | Empty PCB/RCRA Waste Containers (rinsing require | | | |
| | Isotopes | | | |
| | Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Manganese-54 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: 2.4036E+002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--------------|--------------------------------------|--------------------|----------------------|
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 6.2149E+006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: 9.2892E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------|--------------------|----------------------|
| Sulfur-35 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: 5.1334E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: 1.6455E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 1.2881E+006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 1.2540E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 2.3358E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: 1.3177E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: 1.4153E-002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 1.9442E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 5.4063E-002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 6.7177E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 4.1874E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 4.0871E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 6.0991E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 5.7153E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 4.8990E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: 1.8840E+003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Cobalt-57 | Avg Concentration: 3.5245E+002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: 3.6306E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 5.5136E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 1.0125E+002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: 6.7972E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 1.1073E+002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Contaminants | | | |
| PCB Bulk Product Was | Avg Concentration: | Lower Limit Concent: 5.0000E+001 ppm | Upper Limit Concent: 4.9900E+002 ppm |

| | | | | |
|---|---|--------------------------------------|-----------------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - Aqueous Waste to LDR Treatment & Disposal | | | WASTE STREAM CODE: 02879 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Aqueous Waste to LDR Treatment & Disposal | | MPC NAME:Aqueous Liquids/Slurries | TOTAL CURIES: |
| 100.000 | Inventoried Wastewater to LDR Treatment and Dispc | | | |
| | Isotopes | | | |
| | Plutonium-238 | Avg Concentration: 3.8486E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Radium-226 | Avg Concentration: 1.0477E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| | Uranium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | | | | |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Uranium-234 | Avg Concentration: 2.6444E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: 2.8537E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 6.9550E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: 5.7459E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: 3.8221E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: 3.4863E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: 2.3732E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: 3.6826E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 5.9966E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: 1.4493E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 1.0830E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: 3.3151E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: 1.2752E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: 9.5298E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: 6.0793E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: 3.2600E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: 1.7666E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: 2.0814E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------------------------|--------------------|----------------------|
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: 2.4122E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: 4.3741E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: 1.1141E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: 7.1983E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: 4.6792E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: 1.2740E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: 1.2740E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: 5.4305E+003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: 2.6790E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: 1.3292E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Actinium-228 | Avg Concentration: 4.0849E+005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 2.8409E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 7.6625E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 2.0502E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: 2.0695E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: 1.1936E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: 4.3795E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 1.5543E+007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: 1.1927E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: 3.5494E+004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 1.8690E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 1.2385E+002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 2.5946E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: 5.1724E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: 2.6547E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: 2.7162E+003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 6.3360E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: 2.2428E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: 1.3130E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|---|---------------------------|-----------------------------|
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: 3.3222E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: 1.6063E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: 9.1897E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: 3.3607E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 2.0979E+006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: 7.0693E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: 1.0347E-002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: 1.3120E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: 6.0173E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 1.4316E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 1.1528E+002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 4.6423E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 7.5401E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| Contaminants | | | |
|----------------------|--------------------|----------------------|----------------------|
| Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cyanides (soluble sa | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Hydrogen cyanide | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Organic Contaminants | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Nitrates | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Barium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Corrosive | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Hydrogen sulfide | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Nickel | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Selenium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Silver | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Sulfates | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |

| | | | |
|---|---|----------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids to LDR Treatment & Disposal | | | WASTE STREAM CODE: 02882 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids to LDR Treatment & Disposal | MPC NAME:Liquids | TOTAL CURIES: |
| 50.000 | Incinerable Liquids | | |
| Isotopes | | | |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------|--------------------------------------|--------------------|----------------------|
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: 3.9815E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 9.7153E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: 1.1004E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: 6.4813E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 3.0387E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Cesium-134 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: 2.6153E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: 7.2425E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: 1.0484E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: 5.0094E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: 5.1718E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: 5.0094E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: 2.4693E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: 2.1987E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 5.8166E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: 1.8838E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: 8.3684E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Actinium-225 | Avg Concentration: 2.2321E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: 4.6710E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 1.6839E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: 2.1546E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: 9.9816E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 1.2790E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 4.3395E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: 1.7699E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: 4.3182E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: 2.6690E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: 1.9774E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 1.3121E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 1.3665E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: 1.6485E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: 1.4122E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: 9.0670E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: 2.7882E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: 9.7705E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: 2.8383E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: 2.7065E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 1.6979E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: 5.4190E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: 7.9846E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 4.1537E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: 2.0583E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 1.0026E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: 9.0387E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: 8.6662E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 1.1158E-002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: 8.0412E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: 8.9678E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 5.4601E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 5.6021E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 1.3226E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 6.7298E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

| Contaminants | | | |
|----------------------|--------------------|----------------------|----------------------|
| Cyanides (soluble sa | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Ignitable | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Nickel | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Organic Contaminants | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Corrosive | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Barium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Fluorine | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Hydrogen cyanide | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Selenium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Silver | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |

50.000 Incinerable Liquids to LDR/PCB

| Isotopes | | | |
|-----------------|--------------------|--------------------|----------------------|
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------|--------------------------------------|--------------------|----------------------|
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: 7.9846E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 1.0026E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: 9.9816E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 1.2790E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 4.3395E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: 4.6710E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: 2.7065E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: 2.1987E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 5.8166E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: 8.3684E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: 2.2321E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: 2.6690E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: 4.3182E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: 1.0484E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: 9.0670E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: 5.0094E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: 2.7882E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: 9.7705E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: 2.8383E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: 5.1718E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------------------------|--------------------|----------------------|
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: 5.0094E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: 2.4693E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: 5.4190E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: 1.8838E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: 1.7699E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: 8.9678E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: 3.9815E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 9.7153E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 5.4601E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 5.6021E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: 1.1004E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 1.3226E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 6.7298E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: 6.4813E-013 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Uranium-233 | Avg Concentration: 1.6979E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: 1.9774E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 1.3121E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 3.0387E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 1.3665E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: 2.6153E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: 1.6485E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: 7.2425E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: 1.4122E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Plutonium-239 | Avg Concentration: 8.0412E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 1.6839E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 4.1537E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: 2.0583E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: 2.1546E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: 9.0387E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: 8.6662E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 1.1158E-002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| Contaminants | | | |
|----------------------|--------------------|--------------------------------------|--------------------------------------|
| Barium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cyanides (soluble sa | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Hydrogen cyanide | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Organic Contaminants | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| PCB Liquids | Avg Concentration: | Lower Limit Concent: 5.0000E+001 ppm | Upper Limit Concent: 4.9900E+002 ppm |
| Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Corrosive | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Fluorine | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Ignitable | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Nickel | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Selenium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Silver | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |

| | | | |
|--|--|----------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids to LDR Treatment & Disposal | | | WASTE STREAM CODE: 02884 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids to LDR Treatment & Disposal | MPC NAME:Solids | TOTAL CURIES: |
| 50.000 | Incinerable Solids | | |
| Isotopes | | | |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: 1.0561E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Cadmium-109 | Avg Concentration: 8.2612E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Chromium-51 | Avg Concentration: 3.2681E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: 1.4178E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: 3.5832E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 3.2342E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: 7.6395E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: 8.3533E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 5.5252E-002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: 1.7428E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 1.9651E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 1.4147E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: 8.2480E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: 6.2006E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 5.9995E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 5.1880E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 2.0513E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 1.5923E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: 1.7820E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: 6.7204E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------|--------------------------------------|--------------------|----------------------|
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: 3.8389E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: 5.3266E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: 1.4645E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-212 | Avg Concentration: 2.2639E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: 1.4103E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: 9.2438E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: 4.1224E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: 4.4533E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 6.5574E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 5.8814E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: 6.1952E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 1.3916E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: 5.2690E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: 8.6249E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------------------------|--------------------|----------------------|
| Uranium-235 | Avg Concentration: 2.0681E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 1.5513E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: 3.2497E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: 7.0240E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: 1.5388E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: 1.4408E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: 2.9527E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: 1.0419E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: 2.4576E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iron-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: 1.6017E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Neptunium-239 | Avg Concentration: 8.3533E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: 6.1428E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: 4.4533E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: 1.0265E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 7.5761E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 2.4650E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: 1.6408E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: 1.0454E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: 7.1629E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: 4.5176E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 7.4716E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: 6.8467E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: 1.0936E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: 1.3205E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: 1.8019E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: 1.2206E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: 1.7214E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

| Contaminants | | | |
|----------------------|--------------------|----------------------|----------------------|
| Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Organic Contaminants | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Barium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Selenium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Silver | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |

50.000 Incinerable Solids to LDR/PCB

| Isotopes | | | |
|-----------------|--------------------------------------|--------------------|----------------------|
| Radon-219 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-126 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-117m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Technetium-95m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thallium-208 | Avg Concentration: 6.7204E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-187 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Manganese-54 | Avg Concentration: 1.7214E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Samarium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-249 | Avg Concentration: 1.0561E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-207 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-139 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-248 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-58 | Avg Concentration: 2.4576E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Iron-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Mercury-203 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-131 | Avg Concentration: 1.4178E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-173 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-95 | Avg Concentration: 1.6017E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-33 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-233 | Avg Concentration: 6.1428E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-46 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tin-113 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-85 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-234 | Avg Concentration: 3.2342E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-88 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-250 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-212 | Avg Concentration: 7.6395E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-225 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-244 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-74 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Calcium-45 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-136 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Gadolinium-153 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-175 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Holmium-166m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Indium-114m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|------------------|--------------------------------------|--------------------|----------------------|
| Sodium-24 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-191 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234 | Avg Concentration: 4.1224E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Promethium-146 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-193 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-195m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radium-224 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Californium-252 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-228 | Avg Concentration: 5.8814E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-232 | Avg Concentration: 5.2690E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-235 | Avg Concentration: 2.0681E+001 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-137m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-144 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-246 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Europium-155 | Avg Concentration: 3.2497E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Ruthenium-106 | Avg Concentration: 1.5388E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-223 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sulfur-35 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-124 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Selenium-75 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-89 | Avg Concentration: 3.8389E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Terbium-160 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thorium-231 | Avg Concentration: 5.3266E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-188 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zirconium-95 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Thulium-171 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-214 | Avg Concentration: 1.4645E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------|--------------------------------------|--------------------|----------------------|
| Lead-212 | Avg Concentration: 2.2639E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-214 | Avg Concentration: 1.4103E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-111 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Arsenic-73 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Bismuth-208 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cerium-143 | Avg Concentration: 9.2438E-012 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Dysprosium-166 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Germanium-68 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-182 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lutetium-177m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Niobium-91m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Osmium-194 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Palladium-103 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Promethium-145 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-218 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Platinum-197 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhenium-186 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Rhodium-101 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Radon-220 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Scandium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tantalum-179 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Titanium-44 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Uranium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Tungsten-185 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Xenon-131m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Polonium-210 | Avg Concentration: 4.4533E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-228 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------|--------------------------------------|--------------------|----------------------|
| Samarium-151 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Strontium-90 | Avg Concentration: 5.9995E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Technetium-99 | Avg Concentration: 6.5574E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-229 | Avg Concentration: 6.1952E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-230 | Avg Concentration: 5.1880E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Thorium-232 | Avg Concentration: 1.3916E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-233 | Avg Concentration: 2.0513E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-234 | Avg Concentration: 8.6249E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-236 | Avg Concentration: 1.5923E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Uranium-238 | Avg Concentration: 1.5513E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Yttrium-90 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-245 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cesium-134 | Avg Concentration: 1.7820E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iron-55 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Krypton-85 | Avg Concentration: 7.0240E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Promethium-147 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Antimony-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Zinc-65 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Sodium-22 | Avg Concentration: 1.4408E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-57 | Avg Concentration: 2.9527E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Silver-110m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Silver-108m | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Actinium-228 | Avg Concentration: 1.0419E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Beryllium-7 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cadmium-109 | Avg Concentration: 8.2612E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cerium-141 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-56 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|-------------------|--------------------------------------|--------------------|----------------------|
| Chromium-51 | Avg Concentration: 3.2681E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-156 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Hafnium-181 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iodine-125 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Iridium-192 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Lanthanum-140 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Molybdenum-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-239 | Avg Concentration: 8.3533E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Phosphorus-32 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-234m | Avg Concentration: 3.5832E-004 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Radium-226 | Avg Concentration: 4.4533E-010 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Actinium-227 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Aluminum-26 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Americium-241 | Avg Concentration: 7.5761E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Americium-243 | Avg Concentration: 8.3533E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Barium-133 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Carbon-14 | Avg Concentration: 2.4650E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Chlorine-36 | Avg Concentration: 1.6408E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Curium-243 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Curium-244 | Avg Concentration: 1.0454E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cobalt-60 | Avg Concentration: 5.5252E-002 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Cesium-137 | Avg Concentration: 7.1629E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-152 | Avg Concentration: 4.5176E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Europium-154 | Avg Concentration: 1.7428E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Hydrogen-3 | Avg Concentration: 7.4716E-003 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Potassium-40 | Avg Concentration: 1.9651E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Niobium-94 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|----------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Nickel-59 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| Nickel-63 | Avg Concentration: 6.8467E-007 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Neptunium-237 | Avg Concentration: 1.4147E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Protactinium-231 | Avg Concentration: 1.0936E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Lead-210 | Avg Concentration: 1.3205E-009 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-238 | Avg Concentration: 8.2480E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-239 | Avg Concentration: 1.8019E-005 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-240 | Avg Concentration: 1.2206E-006 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-241 | Avg Concentration: 6.2006E-008 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Plutonium-242 | Avg Concentration: 1.0265E-011 Ci/m3 | Low Limit Concent: | Upper Limit Concent: |
| Contaminants | | | |
| Barium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Organic Contaminants | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Silver | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| PCB Bulk Product Was | Avg Concentration: | Lower Limit Concent: 5.0000E+001 ppm | Upper Limit Concent: 4.9900E+002 ppm |
| Selenium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |
| Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: |

| | | | |
|---|---|-------------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - CNF Process Residues to TSCA1 | | | WASTE STREAM CODE: 03733 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:CNF Process Residues to TSCA1 | MPC NAME:Unknown/Other Matrix | TOTAL CURIES: |
| 100.000 | | | |
| Isotopes | | | |

| | | | | |
|--|--|--------------------|----------------------------|---------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Direct Treatment Wastewaters to ETTP CNF | | | WASTE STREAM CODE: 03734 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Direct Treatment Wastewaters to ETTP CNF | | MPC NAME:Wastewaters | TOTAL CURIES: |
| 100.000 | Direct Treatment Wastewaters to ETTP CNF | | | |
| | Isotopes | | | |
| | Americium-241 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:3.0000E+001 pCi/l |
| | Plutonium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:4.0000E+001 pCi/l |
| | Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:1.0000E+005 pCi/l |
| | Cesium-137 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:3.0000E+003 pCi/l |
| | Plutonium-239 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:3.0000E+001 pCi/l |
| | Uranium-235 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:6.0000E+002 pCi/l |
| | Uranium-238 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:6.0000E+002 pCi/l |
| | Uranium-234 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:5.0000E+002 pCi/l |
| | Neptunium-237 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:3.0000E+001 pCi/l |
| | Uranium-236 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent:5.0000E+002 pCi/l |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| Contaminants | | | |
|--------------|--------------------|----------------------|---------------------------------------|
| Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.8000E+000 mg/l |
| Nickel | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 4.7000E+000 mg/l |
| Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5000E-001 mg/l |
| Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 4.2000E-001 mg/l |
| Cyanide | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.0000E-001 mg/l |
| Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.1000E+000 mg/l |
| Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.0000E-002 mg/l |
| Selenium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.2000E+000 mg/l |
| Silver | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.4000E-001 mg/l |
| Nitrates | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.0000E+001 mg/l |

| | | | | |
|---|---|--------------------|----------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - Direct Treatment MLLW Wastewaters at Y-12 | | | WASTE STREAM CODE: 03738 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Direct Treatment MLLW Wastewaters at Y-12 | | MPC NAME:Wastewaters | TOTAL CURIES: |
| 100.000 | Direct Treatment Wastewaters to Y-12 Wastewater T | | | |
| | Isotopes | | | |
| | Protactinium-231 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Iodine-129 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Chlorine-36 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Thorium-232 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Technetium-99 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Carbon-14 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |
| | Thorium-230 | Avg Concentration: | Low Limit Concent: | Upper Limit Concent: |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Paducah | | | WASTE STREAM CODE: 03828 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Paducah | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Paducah | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Portsmouth | | | WASTE STREAM CODE: 03829 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Portsmouth | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Portsmouth | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from INEEL | | | WASTE STREAM CODE: 03830 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from INEEL | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from INEEL | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

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|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Los Alamos | | | WASTE STREAM CODE: 03831 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Los Alamos | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Los Alamos | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from ETEC | | | WASTE STREAM CODE: 03832 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from ETEC | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from ETEC | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

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|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Lawrence Berkeley | | | WASTE STREAM CODE: 03833 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Lawrence Berkeley | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Lawrence Berkeley | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Lawrence Livermore | | | WASTE STREAM CODE: 03834 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Lawrence Livermore | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Lawrence Livermore | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

| | | | | |
|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Fernald | | | WASTE STREAM CODE: 03836 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Fernald | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Fernald | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Ashtabula | | | WASTE STREAM CODE: 03837 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Ashtabula | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Ashtabula | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

| | | | | |
|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from West Valley | | | WASTE STREAM CODE: 03838 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from West Valley | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from West Valley | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Rocky Flats | | | WASTE STREAM CODE: 03839 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Rocky Flats | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Rocky Flats | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

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|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Savannah River | | | WASTE STREAM CODE: 03840 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Savannah River | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Savannah River | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Liquids from Naval Reactors Program | | | WASTE STREAM CODE: 03841 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Liquids from Naval Reactors Program | | MPC NAME:Liquids | TOTAL CURIES: |
| 100.000 | Incinerable Liquids from Naval Reactors Program | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.5800E+002 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 6.2400E+002 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.4400E+001 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 2.1000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.6000E+001 ppm |

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from Paducah | | | WASTE STREAM CODE: 03842 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from Paducah | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from Paducah | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from Portsmouth | | | WASTE STREAM CODE: 03843 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from Portsmouth | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from Portsmouth | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from INEEL | | | WASTE STREAM CODE: 03844 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from INEEL | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from INEEL | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from Savannah River | | | WASTE STREAM CODE: 03917 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from Savannah River | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from Savannah River | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from Argonne | | | WASTE STREAM CODE: 04087 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from Argonne | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from Argonne | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from NTS | | | WASTE STREAM CODE: 04088 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from NTS | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from NTS | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |

| | | | | |
|--|--|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from Lawrence Livermore | | | WASTE STREAM CODE: 04090 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from Lawrence Livermore | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from Lawrence Livermore | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from West Valley | | | WASTE STREAM CODE: 04091 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from West Valley | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from West Valley | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |

| | | | | |
|---|---|--------------------|----------------------------|--------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from Rocky Flats | | | WASTE STREAM CODE: 04092 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from Rocky Flats | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from Rocky Flats | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |
| | Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | |
|---|---|----------------------|--------------------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from Naval Reactor Program | | | WASTE STREAM CODE: 04093 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from Naval Reactor Program | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from Nanal Reactor Program | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm | |
| Mercury | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm | |
| Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm | |
| Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm | |
| Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm | |

| | | | | |
|--|--|--------------------|----------------------------|---------------------------------------|
| Oak Ridge - Mixed Low Level Waste - Incinerable Solids from Los Alamos | | | WASTE STREAM CODE: 04356 | |
| Approved Volume : | | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Incinerable Solids from Los Alamos | | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | Incinerable Solids from Los Alamos | | | |
| | Isotopes | | | |
| | Contaminants | | | |
| | Chromium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 5.0000E+002 ppm |
| | Arsenic | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.4000E+003 ppm |
| | Cadmium | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 3.2000E+003 ppm |
| | Fluorine | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+000 %vol |
| | Lead | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 1.2000E+004 ppm |
| | Mercurv | Avg Concentration: | Lower Limit Concent: | Upper Limit Concent: 9.0000E+001 ppm |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--|--|----------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - Empty Waste Containers - Rinsed (Disposal Ready) | | | WASTE STREAM CODE: 04399 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Empty Waste Containers - Rinsed (Disposal Ready) | MPC NAME:Solids | TOTAL CURIES: |

| | | | |
|--|--|----------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - BNFL - Incinerable Liquids (MW-02) | | | WASTE STREAM CODE: 04405 |
| Approved Volume : 1.000 | Future Volume Avg: 0.000 | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:BNFL - Incinerable Liquids (MW-02) | MPC NAME:Liquids | TOTAL CURIES: |

| | | | |
|--|----------------------------------|-----------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - CNF Process Residues | | | WASTE STREAM CODE: 04432 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:CNF Process Residues | MPC NAME:Homogeneous Solids | TOTAL CURIES: |
| 100.000 | | | |
| | Isotopes | | |

| | | | |
|---|-------------------------------|----------------------------|----------------------------|
| Oak Ridge - Mixed Low Level Waste - CNF Residuals - 2 | | | WASTE STREAM CODE: 04496 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:CNF Residuals - 2 | MPC NAME:Solids | TOTAL CURIES: |
| 100.000 | | | |
| | Isotopes | | |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | | | |
|---|---|--------------------------|----------------------------|----------------------------|----------------------|
| Oak Ridge - Mixed Low Level Waste - BNFL - K29/31/33 PCB Transformers | | | | WASTE STREAM CODE: 04539 | |
| Approved Volume : | | Future Volume Avg: 0.000 | | Future Volume Lower Limit: | |
| | | | | Future Volume Upper Limit: | |
| %of Stream | STREAM NAME:BNFL - K29/31/33 PCB Transformers | | MPC NAME:Final Waste Forms | | TOTAL CURIES: |
| 100.000 | BNFL-K29/31/33 PCB Transformer | | | | |
| Isotopes | | | | | |
| Contaminants | | | | | |
| PCB Articles | | Avg Concentration: | Lower Limit Concent: | | Upper Limit Concent: |

| | | | | | |
|------------------|--|--|--|-------------------------------|--|
| STATE: Tennessee | | PROGRAM: EM | | WASTE TYPE: Transuranic Waste | |
| SITE: Oak Ridge | | OPERATIONS OFFICE: Oak Ridge Operations Office | | | |

| | | | | | |
|---|-------------------------------------|--------------------------------------|-------------------------------|----------------------------|---------------------------------------|
| Oak Ridge - Transuranic Waste - CH TRU/LLW Solid Debris | | | | WASTE STREAM CODE: 00424 | |
| Approved Volume : | | Future Volume Avg: | | Future Volume Lower Limit: | |
| | | | | Future Volume Upper Limit: | |
| %of Stream | STREAM NAME:CH TRU/LLW Solid Debris | | MPC NAME:Heterogeneous Debris | | TOTAL CURIES: |
| 50.000 | OR-W044 | | | | |
| Isotopes | | | | | |
| Cesium-137 | | Avg Concentration: 6.4400E+000 Ci/m3 | Low Limit Concent: | | Upper Limit Concent:4.8100E+003 Ci/m3 |
| Americium-241 | | Avg Concentration: 4.8100E-001 Ci/m3 | Low Limit Concent: | | Upper Limit Concent:3.3300E+002 Ci/m3 |
| Plutonium-238 | | Avg Concentration: 5.3100E+000 Ci/m3 | Low Limit Concent: | | Upper Limit Concent:3.0000E+003 Ci/m3 |
| Plutonium-241 | | Avg Concentration: 3.5800E+000 Ci/m3 | Low Limit Concent: | | Upper Limit Concent:3.5000E+003 Ci/m3 |
| Curium-242 | | Avg Concentration: 1.4500E-001 Ci/m3 | Low Limit Concent: | | Upper Limit Concent:1.5900E+002 Ci/m3 |
| Strontium-90 | | Avg Concentration: 3.8600E+000 Ci/m3 | Low Limit Concent: | | Upper Limit Concent:2.8800E+003 Ci/m3 |
| Plutonium-239 | | Avg Concentration: 3.1100E-001 Ci/m3 | Low Limit Concent: | | Upper Limit Concent:2.8600E+001 Ci/m3 |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|---------------|--------------------------------------|--------------------|---------------------------------------|
| Curium-244 | Avg Concentration: 3.5700E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent:1.3100E+003 Ci/m3 |
| Uranium-233 | Avg Concentration: 1.3600E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent:5.2800E+000 Ci/m3 |
| Plutonium-240 | Avg Concentration: 2.9700E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent:2.1100E+002 Ci/m3 |

15.000 OR-W047

| Isotopes | | | |
|-----------------|--------------------------------------|--------------------|---------------------------------------|
| Americium-243 | Avg Concentration: 3.9100E-002 Ci/m3 | Low Limit Concent: | Upper Limit Concent:1.7200E+001 Ci/m3 |
| Americium-241 | Avg Concentration: 4.1400E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent:9.8800E+001 Ci/m3 |
| Uranium-233 | Avg Concentration: 1.2400E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent:4.7200E+000 Ci/m3 |
| Californium-252 | Avg Concentration: 1.2400E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent:7.7300E+001 Ci/m3 |
| Curium-244 | Avg Concentration: 3.9900E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent:2.9100E+002 Ci/m3 |
| Plutonium-241 | Avg Concentration: 3.3500E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent:1.0600E+003 Ci/m3 |
| Plutonium-238 | Avg Concentration: 8.7500E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent:4.9300E+002 Ci/m3 |
| Plutonium-239 | Avg Concentration: 3.7300E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent:1.0900E+001 Ci/m3 |

35.000 OR-W093

| Isotopes | | | |
|---------------|--------------------------------------|--------------------|---------------------------------------|
| Curium-244 | Avg Concentration: 3.8900E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent:4.6400E+002 Ci/m3 |
| Plutonium-241 | Avg Concentration: 2.5200E+002 Ci/m3 | Low Limit Concent: | Upper Limit Concent:2.0800E+004 Ci/m3 |
| Plutonium-239 | Avg Concentration: 2.7300E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent:1.2700E+002 Ci/m3 |
| Plutonium-240 | Avg Concentration: 2.7100E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent:1.4700E+002 Ci/m3 |
| Americium-241 | Avg Concentration: 7.9500E-001 Ci/m3 | Low Limit Concent: | Upper Limit Concent:2.3900E+001 Ci/m3 |
| Plutonium-238 | Avg Concentration: 4.1700E+000 Ci/m3 | Low Limit Concent: | Upper Limit Concent:1.4600E+003 Ci/m3 |

Data Category: Combined Radioactive Waste and Contaminated Media

Stream Characteristic Detail (RAD/CM-13)

| | | | |
|--|--|----------------------------|----------------------------|
| Oak Ridge - Transuranic Waste - Certified CH-TRU Debris > FY2003 | | | WASTE STREAM CODE: 00432 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Certified CH-TRU Debris > FY2003 | MPC NAME:Final Waste Forms | TOTAL CURIES: |

| | | | |
|---|---------------------------------------|----------------------------|----------------------------|
| Oak Ridge - Transuranic Waste - Certified RH-TRU > FY2007 | | | WASTE STREAM CODE: 00433 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:Certified RH-TRU > FY2007 | MPC NAME:Final Waste Forms | TOTAL CURIES: |

| | | | |
|--|------------------------------------|-------------------------------|----------------------------|
| Oak Ridge - Transuranic Waste - CH-TRU Debris with PCB | | | WASTE STREAM CODE: 04463 |
| Approved Volume : | Future Volume Avg: | Future Volume Lower Limit: | Future Volume Upper Limit: |
| %of Stream | STREAM NAME:CH-TRU Debris with PCB | MPC NAME:Heterogeneous Debris | TOTAL CURIES: |

| | | | |
|--------|--------------------------|--------------------|---|
| 80.000 | 2026A Remediation Waste | | |
| | Isotopes | | |
| | Contaminants | | |
| | PCB Remediation Was | Avg Concentration: | Lower Limit Concent: Upper Limit Concent: 1.0000E+002 ppm |
| 20.000 | WC-14 Remediation Wastes | | |
| | Isotopes | | |
| | Contaminants | | |
| | PCB Remediation Was | Avg Concentration: | Lower Limit Concent: Upper Limit Concent: 2.4000E+002 ppm |

Data Source: Office of Environmental Management Corporate Database